

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
United States ^e	2,444,981,212	692,719,374	1,752,261,838	951,571,893	459,984,365	340,705,580
Alabama	25,695,555	13,704,571	11,990,984	4,956,721	13,600	7,020,663
Choctawhatchee, Pea and Yellow Rivers Watershed Management Authority	4,000	0	4,000	0	0	4,000
Commerce, Department of	3,000,000	0	3,000,000	1,000,000	0	2,000,000
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	1,930,023	280,032	1,649,991	1,636,391	13,600	0
Education, Department of	9,755,650	9,104,650	651,000	0	0	651,000
Forensic Sciences, Department of	262,993	262,993	0	0	0	0
Geological Survey	2,470,957	2,470,957	0	0	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	1,585,939	1,585,939	0	0	0	0
Supercomputer Authority	3,028,045	0	3,028,045	884,266	0	2,143,779
Transportation, Department of	3,657,948	0	3,657,948	1,436,064	0	2,221,884
Alaska	15,193,507	10,745,451	4,448,056	1,340,349	3,107,707	0
Environmental Conservation, Department of	474,542	19,763	454,779	104,349	350,430	0
Housing Finance Corporation	500,000	0	500,000	0	500,000	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	8,878,600	8,878,600	0	0	0	0
Railroad Corporation	3,824,365	1,712,088	2,112,277	0	2,112,277	0
Transportation and Public Facilities, Department of	1,516,000	135,000	1,381,000	1,236,000	145,000	0
Arizona	16,010,502	1,562,435	14,448,067	7,224,814	813,783	6,409,470
Agriculture, Department of	1,220,812	0	1,220,812	1,081,539	139,273	0
Game and Fish Department	1,361,376	1,002,814	358,562	358,562	0	0
Health Services, Department of	11,085,857	0	11,085,857	5,056,722	0	6,029,135
Juvenile Corrections, Department of	559,621	559,621	0	0	0	0
Transportation, Department of	1,782,836	0	1,782,836	727,991	674,510	380,335
Arkansas	19,921,168	189,018	19,732,150	19,328,641	398,009	5,500
Agriculture, Department of	251,460	0	251,460	251,460	0	0
Beef Council	40,223	0	40,223	40,223	0	0
Corn and Grain Sorghum Board	965,000	0	965,000	965,000	0	0
Economic Development Commission	5,446,430	0	5,446,430	5,152,680	293,750	0
Game and Fish Commission	954,281	0	954,281	954,281	0	0
Natural Heritage Commission	274,611	142,678	131,933	22,174	104,259	5,500
Rice Research and Promotion Board	8,623,500	0	8,623,500	8,623,500	0	0
Soybean Promotion Board	2,625,555	0	2,625,555	2,625,555	0	0
Transportation, Department of	690,108	46,340	643,768	643,768	0	0
Wheat Promotion Board	50,000	0	50,000	50,000	0	0
California	533,900,597	81,087,677	452,812,920	143,835,743	209,309,516	99,667,661
Air Resources Board	16,709,642	10,222,932	6,486,710	5,028,759	112,854	1,345,097
Children and Families Commission (First 5 California)	3,518,680	0	3,518,680	565,000	0	2,953,680
Conservation, Department of	1,143,000	398,000	745,000	525,000	200,000	20,000
Corrections and Rehabilitation, Department of	1,974,791	0	1,974,791	0	1,974,791	0
Covered California	3,209,181	0	3,209,181	0	3,209,181	0

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Delta Stewardship Council	5,602,379	0	5,602,379	3,647,328	418,545	1,536,506
Earthquake Authority	2,664,000	500,000	2,164,000	2,000,000	164,000	0
Energy Commission	219,532,543	19,478,336	200,054,207	11,004,436	177,601,346	11,448,425
Environmental Health Hazard Assessment, Office of	19,726,954	17,372,704	2,354,250	2,282,284	9,998	61,968
Food and Agriculture, Department of	4,213,376	0	4,213,376	3,194,834	34,112	984,430
Forestry and Fire Protection, Department of	3,500,000	500,000	3,000,000	3,000,000	0	0
Horse Racing Board	627,442	0	627,442	627,442	0	0
Housing and Community Development, Department of	75,000	0	75,000	0	0	75,000
Institute for Regenerative Medicine	127,546,003	0	127,546,003	82,369,527	22,357,221	22,819,255
Mental Health Services Oversight and Accountability Commission	2,500,000	0	2,500,000	2,500,000	0	0
Motor Vehicles, Department of	1,401,521	1,401,521	0	0	0	0
Pesticide Regulation, Department of	14,088,416	10,404,433	3,683,983	977,272	0	2,706,711
Public Health, Department of	3,370,497	1,351	3,369,146	3,369,146	0	0
Public Utilities Commission, Executive Division	37,000,000	0	37,000,000	0	0	37,000,000
Rehabilitation, Department of	2,814,595	439,191	2,375,404	1,400,744	0	974,660
State Coastal Conservancy	1,620,693	0	1,620,693	186,833	302,415	1,131,445
State Water Resources Control Board	17,957,684	3,188,854	14,768,830	2,787,270	1,447,643	10,533,917
Transportation, Department of	41,248,806	15,881,012	25,367,794	18,182,119	1,109,108	6,076,567
Water Resources, Department of	1,855,394	1,299,343	556,051	187,749	368,302	0
Colorado	34,365,638	12,047,699	22,317,939	8,619,433	12,006,033	1,692,473
Agriculture, Department of	635,148	305,327	329,821	320,821	0	9,000
Economic Development and International Trade, Office of	15,456,483	0	15,456,483	4,353,483	10,743,000	360,000
Higher Education Competitive, Research Authority	2,455,224	0	2,455,224	2,455,224	0	0
Higher Education, Department of	124,839	53,135	71,704	28,223	43,481	0
Natural Resources, Department of	8,002,949	7,914,944	88,005	72,851	15,154	0
Public Health and Environment, Department of	3,808,558	2,344,944	1,463,614	1,067,521	396,093	0
Public Safety, Department of	826,494	826,494	0	0	0	0
Transportation, Department of	2,833,633	602,855	2,230,778	99,000	808,305	1,323,473
Wine Industry Development Board	222,310	0	222,310	222,310	0	0
Connecticut	58,810,853	25,868,030	32,942,823	7,272,360	24,070,158	1,600,305
Agricultural Experiment Station	12,445,226	12,445,226	0	0	0	0
Children and Families, Department of	604,461	0	604,461	359,852	0	244,609
Education, Department of	429,097	0	429,097	429,097	0	0
Energy and Environmental Protection, Department of	7,498,136	6,802,949	695,187	570,187	125,000	0
Innovation Inc.	27,245,173	0	27,245,173	3,300,015	23,945,158	0
Mental Health and Addiction Services, Department of	6,310,349	6,310,349	0	0	0	0
Public Health, Department of	27,000	0	27,000	27,000	0	0
Social Services, Department of	1,516,916	0	1,516,916	1,516,916	0	0
Transportation, Department of	2,734,495	309,506	2,424,989	1,069,293	0	1,355,696
Delaware	3,598,156	2,312,965	1,285,191	859,673	374,718	50,800

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Geological Survey	2,183,965	2,133,165	50,800	0	0	50,800
Natural Resources and Environmental Control, Department of	159,000	159,000	0	0	0	0
Sustainable Energy Utility	20,800	20,800	0	0	0	0
Transportation, Department of	1,234,391	0	1,234,391	859,673	374,718	0
District of Columbia	5,860,668	2,510,818	3,349,850	1,015,794	2,134,056	200,000
Energy and Environment, Department of	1,550,000	230,000	1,320,000	86,000	1,234,000	0
Forensic Sciences, Department of	114,283	114,283	0	0	0	0
Health, Department of	1,957,090	1,037,450	919,640	348,384	571,256	0
Transportation, Department of	239,295	129,085	110,210	81,410	28,800	0
Water and Sewer Authority	2,000,000	1,000,000	1,000,000	500,000	300,000	200,000
Florida	184,600,202	52,430,371	132,169,831	72,664,126	3,549,778	55,955,927
Agriculture and Consumer Services, Department of	22,450,768	2,169,058	20,281,710	5,883,114	365,639	14,032,957
Business and Professional Regulation, Department of	88,406	0	88,406	88,406	0	0
Citrus, Department of	1,127,588	156,535	971,053	229,003	92,050	650,000
Environmental Protection, Department of	217,759	0	217,759	29,919	40,000	147,840
Fish and Wildlife Conservation Commission	56,278,906	48,601,987	7,676,919	1,009,605	631,045	6,036,269
Health, Department of	91,114,600	0	91,114,600	56,025,739	0	35,088,861
Space Florida	1,299,010	0	1,299,010	100,000	1,199,010	0
Transportation, Department of	12,023,165	1,502,791	10,520,374	9,298,340	1,222,034	0
Georgia	15,877,238	2,648,196	13,229,042	5,813,168	3,887,493	3,528,381
Natural Resources, Department of	997,526	214,928	782,598	782,598	0	0
Seed Development Commission	255,642	0	255,642	255,642	0	0
Southern States Energy Board	8,092,378	2,433,268	5,659,110	1,288,952	2,387,493	1,982,665
Transportation, Department of	6,531,692	0	6,531,692	3,485,976	1,500,000	1,545,716
Hawaii	11,122,545	6,531,042	4,591,503	1,238,450	3,263,143	89,910
Agriculture, Department of	702,000	384,418	317,582	227,672	0	89,910
Business, Economic Development, and Tourism, Department of	7,297,767	5,996,624	1,301,143	0	1,301,143	0
Land and Natural Resources, Department of	385,278	0	385,278	373,278	12,000	0
Natural Energy Laboratory	2,250,000	150,000	2,100,000	150,000	1,950,000	0
Transportation, Department of	487,500	0	487,500	487,500	0	0
Idaho	21,882,976	7,967,885	13,915,091	9,416,047	283,302	4,215,742
Agriculture, Department of	900,539	1,300	899,239	621,465	0	277,774
Alfalfa and Clover Seed Commission	1,500	0	1,500	1,500	0	0
Barley Commission	238,859	0	238,859	191,609	0	47,250
Bean Commission	28,220	0	28,220	28,220	0	0
Beef Council	88,187	0	88,187	87,562	0	625
Commerce, Department of	953,711	0	953,711	953,711	0	0
Dairy West	2,900,000	0	2,900,000	2,900,000	0	0
Environmental Quality, Department of	450,000	0	450,000	0	0	450,000
Fish and Game, Department of	10,381,981	7,845,168	2,536,813	1,334,606	0	1,202,207
Honey Commission	1,500	0	1,500	1,500	0	0
Oilseed Commission	62,000	0	62,000	62,000	0	0

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Pea and Lentil Commission	73,418	0	73,418	73,418	0	0
Potato Commission	1,596,042	0	1,596,042	1,495,492	100,550	0
Transportation Department	3,069,711	121,417	2,948,294	596,302	182,752	2,169,240
Wheat Commission	1,137,308	0	1,137,308	1,068,662	0	68,646
Illinois	16,055,917	626,262	15,429,655	10,844,423	254,784	4,330,448
Children and Family Services, Department of	2,559,932	0	2,559,932	2,559,932	0	0
Human Services, Department of	244,978	0	244,978	0	0	244,978
Nutrient Research and Education	3,140,385	0	3,140,385	3,140,385	0	0
Public Health, Department of	399,924	0	399,924	0	0	399,924
Transportation, Department of	9,710,698	626,262	9,084,436	5,144,106	254,784	3,685,546
Indiana	9,591,408	92,268	9,499,140	8,505,448	100,000	893,692
Economic Development Corporation	595,000	0	595,000	200,000	0	395,000
Environmental Management, Department of	56,764	0	56,764	56,764	0	0
Natural Resources, Department of	100,000	0	100,000	100,000	0	0
St. Joseph River Basin Commission	105,000	5,000	100,000	0	100,000	0
Transportation, Department of	8,734,644	87,268	8,647,376	8,148,684	0	498,692
Iowa	12,348,062	3,430,444	8,917,618	8,383,653	519,554	14,411
Beef Industry Council	60,000	0	60,000	60,000	0	0
Corrections	470,931	470,931	0	0	0	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	417,493	417,493	0	0	0	0
Natural Resources, Department of	4,170,756	2,542,020	1,628,736	1,439,256	175,069	14,411
Transportation, Department of	7,228,882	0	7,228,882	6,884,397	344,485	0
Kansas	13,152,904	999,734	12,153,170	10,382,216	0	1,770,954
Corn Commission	871,765	0	871,765	871,765	0	0
Grain Sorghum Commission	445,300	0	445,300	445,300	0	0
Soybean Commission	1,200,000	0	1,200,000	1,200,000	0	0
State Board of Regents	998,756	5,491	993,265	993,265	0	0
Sunflower Commission	20,000	0	20,000	10,000	0	10,000
Transportation, Department of	3,637,912	937,241	2,700,671	994,717	0	1,705,954
Water Office	429,361	57,002	372,359	317,359	0	55,000
Wheat Commission	1,138,289	0	1,138,289	1,138,289	0	0
Wildlife, Parks, and Tourism, Department of	4,411,521	0	4,411,521	4,411,521	0	0
Kentucky	26,782,125	1,752,643	25,029,482	23,155,605	1,636,871	237,006
Behavioral Health, Developmental and Intellectual Disabilities	67,500	0	67,500	0	0	67,500
Economic Development, Cabinet for	3,051,000	0	3,051,000	1,640,000	1,411,000	0
Fish and Wildlife Resources, Department of	2,008,546	1,752,643	255,903	57,032	198,871	0
Horse Racing Commission	430,748	0	430,748	282,242	0	148,506
Nature Preserves, Office of	34,200	0	34,200	7,200	27,000	0
Postsecondary Education, Council on	9,939,022	0	9,939,022	9,939,022	0	0
Public Health, Department for	3,336,309	0	3,336,309	3,336,309	0	0
Public Service Commission	21,000	0	21,000	0	0	21,000
Soybean Promotion Board	658,864	0	658,864	658,864	0	0

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Transportation Cabinet	7,234,936	0	7,234,936	7,234,936	0	0
Louisiana	32,360,516	11,101,353	21,259,163	18,797,267	2,249,822	212,074
Board of Regents	12,728,300	0	12,728,300	12,728,300	0	0
Coastal Protection and Restoration Authority	3,436,344	475,534	2,960,810	566,596	2,249,822	144,392
Education, Department of	394,664	326,982	67,682	0	0	67,682
Transportation and Development, Department of	9,200,000	4,500,000	4,700,000	4,700,000	0	0
Wildlife and Fisheries, Department of	6,601,208	5,798,837	802,371	802,371	0	0
Maine	29,035,990	4,038,999	24,996,991	693,082	15,476,463	8,827,446
Agriculture, Conservation and Forestry, Department of	1,511,473	565,473	946,000	0	946,000	0
Inland Fisheries and Wildlife, Department of	1,080,841	763,201	317,640	317,640	0	0
Marine Resources, Department of	2,458,575	2,348,325	110,250	0	110,250	0
Technology Institute	23,161,101	0	23,161,101	265,442	14,068,213	8,827,446
Transportation, Department of	824,000	362,000	462,000	110,000	352,000	0
Maryland	33,407,022	659,436	32,747,586	29,720,355	2,000,399	1,026,832
Education, Department of	1,160,456	0	1,160,456	1,160,456	0	0
Energy Administration	1,026,832	0	1,026,832	0	0	1,026,832
Health and Mental Hygiene, Department of	15,000,000	0	15,000,000	15,000,000	0	0
Natural Resources, Department of	607,906	79,183	528,723	528,723	0	0
Technology Development Corporation	10,964,344	0	10,964,344	9,466,432	1,497,912	0
Transportation, Department of	4,647,484	580,253	4,067,231	3,564,744	502,487	0
Massachusetts	31,700,411	9,681,990	22,018,421	12,797,171	7,736,552	1,484,698
Clean Energy Technology Center	4,008,011	0	4,008,011	739,388	3,168,623	100,000
Environmental Protection, Department of	309,872	248,990	60,882	26,308	29,876	4,698
Fish and Game, Department of	9,493,000	9,333,000	160,000	160,000	0	0
Gaming Commission	2,670,000	0	2,670,000	2,370,000	0	300,000
Life Sciences Center	1,030,299	0	1,030,299	0	1,030,299	0
Massventures	3,100,000	0	3,100,000	0	3,100,000	0
Mental Health, Department of	1,800,000	0	1,800,000	1,800,000	0	0
Public Health, Department of	1,849,229	0	1,849,229	1,426,475	407,754	15,000
Technology Park Corporation	3,175,000	0	3,175,000	3,175,000	0	0
Transportation, Department of	4,065,000	0	4,065,000	3,000,000	0	1,065,000
Water Resources Authority	200,000	100,000	100,000	100,000	0	0
Michigan	11,191,816	527,096	10,664,720	5,687,599	1,125,114	3,852,007
Agriculture and Rural Development, Department of	3,316,092	0	3,316,092	2,333,765	100,240	882,087
Environmental, Great Lakes and Energy, Department of	1,265,405	527,096	738,309	298,622	305,699	133,988
Transportation, Department of	6,610,319	0	6,610,319	3,055,212	719,175	2,835,932
Minnesota	20,511,698	2,583,398	17,928,300	11,890,847	3,160,956	2,876,497
Agriculture, Department of	6,203,140	886,703	5,316,437	4,589,991	171,515	554,931
Forest Resources Council	150,000	100,000	50,000	50,000	0	0
Natural Resources, Department of	1,941,631	1,591,195	350,436	340,342	10,094	0
Pollution Control Agency	25,981	0	25,981	0	24,381	1,600
Transportation, Department of	12,190,946	5,500	12,185,446	6,910,514	2,954,966	2,319,966

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Mississippi	10,268,396	1,236,050	9,032,346	4,803,101	832,974	3,396,271
Agriculture and Commerce, Department of	180,501	0	180,501	180,501	0	0
Environmental Quality, Department of	1,804,582	110,635	1,693,947	1,693,947	0	0
Gulf States Marine Fisheries Commission	1,100,424	0	1,100,424	913,282	125,965	61,177
Marine Resources, Department of	1,060,182	304,290	755,892	755,892	0	0
Transportation, Department of	4,417,666	3,071	4,414,595	458,660	700,341	3,255,594
Wildlife, Fisheries, and Parks, Department of	1,705,041	818,054	886,987	800,819	6,668	79,500
Missouri	14,826,364	8,112,983	6,713,381	5,121,461	1,331,474	260,446
Agriculture, Department of	95,763	0	95,763	95,763	0	0
Conservation, Department of	10,860,153	8,068,161	2,791,992	2,538,303	253,689	0
Health and Senior Services, Department of	29,761	29,761	0	0	0	0
Mental Health, Department of	121,250	0	121,250	121,250	0	0
Natural Resources, Department of	743,537	15,061	728,476	468,030	0	260,446
Technology Corporation	582,296	0	582,296	19,796	562,500	0
Transportation, Department of	1,557,401	0	1,557,401	1,042,116	515,285	0
Wine and Grape Board	836,203	0	836,203	836,203	0	0
Montana	13,131,022	6,104,413	7,026,609	5,798,378	300,381	927,850
Agriculture, Department of	3,566,938	0	3,566,938	3,566,938	0	0
Environmental Quality, Department of	92,296	92,296	0	0	0	0
Fish, Wildlife and Parks, Department of	7,640,799	5,916,231	1,724,568	1,724,568	0	0
Natural Resources and Conservation, Department of	20,000	0	20,000	20,000	0	0
Transportation, Department of	1,810,989	95,886	1,715,103	486,872	300,381	927,850
Nebraska	32,423,818	2,342,783	30,081,035	27,924,739	1,287,704	868,592
Agriculture, Department of	645,372	0	645,372	579,990	172	65,210
Corn Board	803,068	0	803,068	653,068	0	150,000
Dairy Industry Development Board	87,654	0	87,654	87,654	0	0
Dry Bean Commission	290,954	0	290,954	290,954	0	0
Economic Development, Department of	2,184,835	0	2,184,835	1,004,221	1,180,614	0
Game and Parks Commission	5,798,854	2,332,795	3,466,059	3,466,059	0	0
Grain Sorghum Board	3,672	0	3,672	0	0	3,672
Health and Human Services, Department of	19,453,501	0	19,453,501	19,453,501	0	0
Natural Resources, Department of	958,089	9,988	948,101	201,180	106,918	640,003
Transportation, Department of	1,909,404	0	1,909,404	1,899,697	0	9,707
Wheat Board	288,415	0	288,415	288,415	0	0
Nevada	4,764,898	188,146	4,576,752	3,484,810	163,044	928,898
Agriculture, Department of	188,146	188,146	0	0	0	0
Economic Development, Governor's office of	3,055,388	0	3,055,388	2,857,037	0	198,351
Transportation, Department of	1,521,364	0	1,521,364	627,773	163,044	730,547
New Hampshire	8,221,518	49,309	8,172,209	604,163	7,042,440	525,606
Agriculture, Markets and Food, Department of	146,743	0	146,743	113,278	0	33,465
Business and Economic Affairs, Department of	7,275,000	0	7,275,000	275,000	7,000,000	0

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Transportation, Department of	799,775	49,309	750,466	215,885	42,440	492,141
New Jersey	23,754,925	2,624,342	21,130,583	18,717,366	1,393,217	1,020,000
Children and Families, Department of	237,423	181,115	56,308	0	36,308	20,000
Corrections, Department of	305,895	305,895	0	0	0	0
Environmental Protection, Department of	2,608,000	1,802,000	806,000	759,718	46,282	0
Health, Department of	940,186	0	940,186	718,407	221,779	0
Pinelands Commission	537,794	335,332	202,462	0	202,462	0
Research Initiatives, Office of	13,000,000	0	13,000,000	12,600,000	400,000	0
Secretary of Higher Education, Office of	3,000,000	0	3,000,000	2,000,000	0	1,000,000
Transit, New Jersey	511,533	0	511,533	511,533	0	0
Transportation, Department of	2,614,094	0	2,614,094	2,127,708	486,386	0
New Mexico	5,227,599	2,594,660	2,632,939	1,891,660	741,279	0
Cultural Affairs, Department of	103,000	103,000	0	0	0	0
Game and Fish, Department of	1,000,000	500,000	500,000	500,000	0	0
Transportation, Department of	3,383,320	1,991,660	1,391,660	1,391,660	0	0
Western State Air Resources Council	741,279	0	741,279	0	741,279	0
New York	453,807,331	278,751,443	175,055,888	136,921,163	14,666,556	23,468,169
Agriculture and Markets, Department of	6,587,196	2,290,000	4,297,196	2,262,503	0	2,034,693
Economic Development, Department of	34,942,880	0	34,942,880	34,942,880	0	0
Energy Research and Development Authority	63,800,898	8,152,894	55,648,004	37,535,475	9,207,898	8,904,631
Environmental Conservation, Department of	11,066,820	4,490,190	6,576,630	6,503,573	0	73,057
Health, Department of	74,723,334	32,566,879	42,156,455	32,425,710	3,849,924	5,880,821
Mental Health, Office of	166,944,173	144,972,379	21,971,794	20,299,132	0	1,672,662
People with Developmental Disabilities, Office of	2,136,105	2,136,105	0	0	0	0
Power Authority	11,111,406	5,915,635	5,195,771	293,466	0	4,902,305
Roswell Park Comprehensive Cancer Center	66,297,074	66,297,074	0	0	0	0
State Museum	10,578,496	10,089,582	488,914	488,914	0	0
Thoroughbred Breeding and Development Fund Corp.	234,030	0	234,030	234,030	0	0
Transportation, Department of	5,384,919	1,840,705	3,544,214	1,935,480	1,608,734	0
North Carolina	35,892,185	17,813,294	18,078,891	16,274,791	591,263	1,212,837
Agriculture and Consumer Services, Department of	15,422,911	13,922,911	1,500,000	1,300,000	200,000	0
Biotechnology Center	3,810,296	0	3,810,296	3,810,296	0	0
Environmental Quality, Department of	3,621,969	1,421,353	2,200,616	1,846,853	353,763	0
Natural and Cultural Resources, Department of	2,903,776	1,690,939	1,212,837	0	0	1,212,837
Transportation, Department of	10,033,233	778,091	9,255,142	9,255,142	0	0
Wine and Grape Growers Council	100,000	0	100,000	62,500	37,500	0
North Dakota	18,065,251	346,342	17,718,909	9,635,162	7,041,396	1,042,351
Agriculture, Department of	817,049	0	817,049	375,977	441,072	0
Dairy Promotion Commission	16,000	0	16,000	0	0	16,000
Dry Pea and Lentil Council	80,683	0	80,683	80,683	0	0
Game and Fish Department	789,902	0	789,902	740,580	49,322	0
Historical Society of North Dakota	223,743	223,743	0	0	0	0

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Industrial Commission	10,111,495	0	10,111,495	5,975,554	4,062,383	73,558
Soybean Council	1,163,242	0	1,163,242	1,134,313	28,929	0
Transportation, Department of	3,635,470	122,599	3,512,871	200,388	2,459,690	852,793
Wheat Commission	1,227,667	0	1,227,667	1,127,667	0	100,000
Ohio	76,169,661	2,005,523	74,164,138	13,019,832	59,204,085	1,940,221
Development Services Agency	63,372,408	0	63,372,408	6,272,704	57,099,704	0
Education, Department of	460,000	0	460,000	340,000	0	120,000
Environmental Protection Agency	53,352	53,352	0	0	0	0
Mental Health and Addictions Services, Department of	1,500,000	0	1,500,000	1,000,000	500,000	0
Natural Resources, Department of	3,583,207	1,952,171	1,631,036	1,464,046	0	166,990
Rail Development Commission	220,000	0	220,000	0	220,000	0
Transportation, Department of	6,029,317	0	6,029,317	3,450,523	1,384,381	1,194,413
Water Development Authority	951,377	0	951,377	492,559	0	458,818
Oklahoma	30,050,338	2,015,986	28,034,352	23,164,214	4,725,430	144,708
Advancement of Science and Technology, Center for the	8,704,830	0	8,704,830	4,036,259	4,525,430	143,141
Agriculture, Food, and Forestry, Department of	454,578	0	454,578	454,578	0	0
Grand River Dam Authority	550,000	140,000	410,000	210,000	200,000	0
Health, Department of	544,357	527,041	17,316	17,316	0	0
Human Services, Department of	457,147	457,147	0	0	0	0
Tobacco Settlement Endowment Trust	12,300,000	0	12,300,000	12,300,000	0	0
Transportation, Department of	5,817,457	844,589	4,972,868	4,971,301	0	1,567
Wildlife Conservation, Department of	1,221,969	47,209	1,174,760	1,174,760	0	0
Oregon	30,486,113	15,852,036	14,634,077	8,242,868	5,432,004	959,205
Agriculture, Department of	206,521	0	206,521	206,521	0	0
Business Oregon	9,190,000	0	9,190,000	4,400,000	4,790,000	0
Education, Department of	639,639	639,639	0	0	0	0
Environmental Quality, Department of	433,500	433,500	0	0	0	0
Fish and Wildlife, Department of	12,424,618	11,265,588	1,159,030	1,128,807	0	30,223
Forestry, Department of	694,549	449,480	245,069	213,569	31,500	0
Geology and Mineral Industries, Department of	496,117	496,117	0	0	0	0
Human Services, Department of	1,488,479	1,488,479	0	0	0	0
Transportation, Department of	2,460,479	81,545	2,378,934	2,293,971	14,613	70,350
Water Resources Department	1,583,355	987,464	595,891	0	595,891	0
Watershed Enhancement Board	868,856	10,224	858,632	0	0	858,632
Pennsylvania	103,098,941	7,874,722	95,224,219	49,572,795	10,787,775	34,863,649
Agriculture, Department of	3,877,434	0	3,877,434	2,622,317	0	1,255,117
Community and Economic Development, Department of	31,350,000	0	31,350,000	6,595,410	4,347,670	20,406,920
Conservation and Natural Resources, Department of	1,248	1,248	0	0	0	0
Environmental Protection, Department of	894,656	18,052	876,604	769,224	0	107,380
Fish and Boat Commission	270,914	161,651	109,263	109,263	0	0
Game Commission	9,876,885	7,358,771	2,518,114	1,477,103	707,381	333,630
Health, Department of	53,279,107	0	53,279,107	36,768,505	3,750,000	12,760,602

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Susquehanna River Basin Commission	335,000	335,000	0	0	0	0
Transportation, Department of	3,213,697	0	3,213,697	1,230,973	1,982,724	0
Rhode Island	4,594,040	3,098,833	1,495,207	453,781	765,104	276,322
Commerce Corporation	1,119,546	0	1,119,546	354,442	765,104	0
Environmental Management, Department of; Marine Fisheries	3,097,546	2,799,416	298,130	99,339	0	198,791
Environmental Management, Department of; Narragansett Bay National Estuarine Research Reserve	76,014	76,014	0	0	0	0
Water Resources Board	300,934	223,403	77,531	0	0	77,531
South Carolina	46,800,816	27,894,342	18,906,474	3,882,230	415,414	14,608,830
Agriculture, Department of	803,873	0	803,873	803,873	0	0
Disabilities and Special Needs, Department of	14,226,376	0	14,226,376	0	0	14,226,376
Health and Environmental Control, Department of	1,388,752	1,233,275	155,477	155,477	0	0
Natural Resources, Department of	25,080,757	24,796,999	283,758	238,318	45,440	0
Public Service Authority	30,000	0	30,000	30,000	0	0
Research Authority	726,551	0	726,551	356,577	369,974	0
Sea Grant Consortium	2,742,872	1,843,674	899,198	696,632	0	202,566
Transportation, Department of	1,801,635	20,394	1,781,241	1,601,353	0	179,888
South Dakota	2,913,274	327,346	2,585,928	1,701,100	599,828	285,000
Corn Utilization Council	310,000	0	310,000	260,000	0	50,000
Oilseeds Council	250,865	0	250,865	65,865	0	185,000
Pulse Crop Council	2,273	0	2,273	2,273	0	0
Science and Technology Authority	16,021	0	16,021	16,021	0	0
Soybean Research and Promotion Council	375,717	25,724	349,993	299,993	0	50,000
Transportation, Department of	1,321,098	301,622	1,019,476	419,648	599,828	0
Weed and Pest Control Commission	47,000	0	47,000	47,000	0	0
Wheat Commission	590,300	0	590,300	590,300	0	0
Tennessee	7,039,923	1,607,509	5,432,414	4,574,469	203,125	654,820
Education, Department of	3,363,577	1,052,595	2,310,982	1,808,880	0	502,102
Environment and Conservation, Department of	843,184	372,341	470,843	115,000	203,125	152,718
Geological Survey	182,573	182,573	0	0	0	0
Transportation, Department of	2,650,589	0	2,650,589	2,650,589	0	0
Texas	205,206,977	3,165,023	202,041,954	142,333,450	29,339,059	30,369,445
Agriculture, Department of	1,151,413	0	1,151,413	611,500	0	539,913
Alzheimer's Research and Care Consortium (TARCC)	4,615,313	0	4,615,313	4,615,313	0	0
Cancer Prevention and Research Institute	169,450,936	0	169,450,936	111,088,246	28,897,452	29,465,238
Environmental Quality, Commission on	2,135,774	42,206	2,093,568	2,093,568	0	0
Parks and Wildlife Department	4,858,066	2,470,790	2,387,276	2,043,856	0	343,420
State Health Services, Department of	1,838,827	652,027	1,186,800	1,186,800	0	0
Transportation, Department of	20,694,167	0	20,694,167	20,694,167	0	0
Water Development Board	462,481	0	462,481	0	441,607	20,874
Utah	9,205,399	6,070,743	3,134,656	2,334,907	799,749	0
Energy Development, Office of	500,540	0	500,540	500,540	0	0

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Environmental Quality, Department of	716,389	103,210	613,179	440,855	172,324	0
Health, Department of	4,850	4,850	0	0	0	0
Natural Resources, Department of	4,841,922	4,841,922	0	0	0	0
Transportation, Department of	3,141,698	1,120,761	2,020,937	1,393,512	627,425	0
Vermont	1,669,900	633,399	1,036,501	658,425	286,478	91,598
Agriculture, Food, and Markets, Agency of	282,511	0	282,511	0	282,511	0
Education, Agency of	90,998	0	90,998	0	0	90,998
Human Services, Agency of	215,000	215,000	0	0	0	0
Transportation, Agency of	1,081,391	418,399	662,992	658,425	3,967	600
Virginia	35,552,565	12,627,565	22,925,000	16,656,350	3,646,989	2,621,661
Aging and Rehabilitative Services, Department of	32,746	28,028	4,718	0	0	4,718
Agriculture and Consumer Services, Department of	2,362,121	0	2,362,121	2,001,589	0	360,532
Commonwealth Health Research Board	1,399,997	0	1,399,997	1,399,997	0	0
Environmental Quality, Department of	103,612	34,102	69,510	69,510	0	0
Forensic Science, Department of	971,793	971,793	0	0	0	0
Forestry, Department of	577,211	533,801	43,410	43,410	0	0
Foundation for Healthy Youth	884,774	0	884,774	884,774	0	0
Innovative Technology, Center for	6,074,557	674,351	5,400,206	1,488,379	3,615,489	296,338
Institute for Advanced Learning and Research	60,000	60,000	0	0	0	0
Marine Resources Commission	1,885,300	204,543	1,680,757	0	0	1,680,757
Mines, Minerals and Energy, Department of	903,212	903,212	0	0	0	0
Social Services, Department of	10,000	10,000	0	0	0	0
Transportation, Department of	18,616,858	9,207,735	9,409,123	9,409,123	0	0
Wildlife Resources, Department of	1,670,384	0	1,670,384	1,359,568	31,500	279,316
Washington	57,239,095	23,415,061	33,824,034	18,119,799	3,934,366	11,769,869
Agriculture, Department of	2,974,886	0	2,974,886	2,087,745	176,078	711,063
Alfalfa Seed Commission	34,000	0	34,000	34,000	0	0
Asparagus Commission	70,000	0	70,000	0	70,000	0
Blueberry Commission	252,900	0	252,900	0	252,900	0
Commerce, Department of	4,686,545	0	4,686,545	0	930,756	3,755,789
Dairy Products Commission	30,000	0	30,000	30,000	0	0
Ecology, Department of	1,053,172	887,977	165,195	165,195	0	0
Fish and Wildlife, Department of	9,811,591	9,569,456	242,135	0	0	242,135
Fruit Commission	146,911	0	146,911	50,215	3,300	93,396
Grain Commission	2,121,448	0	2,121,448	2,121,448	0	0
Health, Department of	1,113,483	1,057,809	55,674	55,674	0	0
Hop Commission	281,762	0	281,762	255,762	26,000	0
Labor and Industries, Department of	3,279,219	3,279,219	0	0	0	0
Mint Commission	73,825	0	73,825	73,825	0	0
Natural Resources, Department of	13,196,143	5,721,319	7,474,824	922,122	995,478	5,557,224
Oilseeds Commission	44,448	0	44,448	44,448	0	0
Pesticide Registration, Commission on	438,075	0	438,075	438,075	0	0
Potato Commission	760,097	0	760,097	494,685	50,000	215,412
Puget Sound Partnership	1,526,263	0	1,526,263	265,550	458,220	802,493

TABLE 20

State agency expenditures for R&D, by state, department or agency, and performer: FY 2020

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers ^a	Extramural performers ^b			
			Total	Academic institutions	Companies and individuals ^c	Other ^d
Pulse Crops Commission	159,243	0	159,243	159,243	0	0
Red Raspberry Commission	307,500	0	307,500	284,578	22,922	0
Transportation, Department of	4,890,000	1,293,000	3,597,000	2,827,000	770,000	0
Tree Fruit Research Commission	9,668,382	1,606,281	8,062,101	7,491,032	178,712	392,357
Turfgrass Seed Commission	64,018	0	64,018	64,018	0	0
Wine Commission	255,184	0	255,184	255,184	0	0
West Virginia	10,862,315	3,317,637	7,544,678	7,465,577	77,744	1,357
Agriculture, Department of	202,365	202,365	0	0	0	0
Geological and Economic Survey	1,854,645	1,576,721	277,924	277,924	0	0
Higher Education Policy Commission	5,483,928	400,180	5,083,748	5,083,748	0	0
Justice and Community Services, Division of	8,000	8,000	0	0	0	0
Natural Resources, Department of	1,285,162	1,130,371	154,791	75,690	77,744	1,357
Transportation, Department of	2,028,215	0	2,028,215	2,028,215	0	0
Wisconsin	14,340,014	4,674,607	9,665,407	2,868,505	4,440,854	2,356,048
Agriculture, Trade and Consumer Protection, Department of	985,099	0	985,099	665,000	95,000	225,099
Economic Development Corporation	3,825,000	0	3,825,000	75,000	3,750,000	0
Natural Resources, Department of	5,423,223	4,402,853	1,020,370	827,038	193,332	0
Transportation, Department of	4,106,692	271,754	3,834,938	1,301,467	402,522	2,130,949
Wyoming	6,391,060	2,875,496	3,515,564	903,812	2,462,822	148,930
Agriculture, Department of	561,674	0	561,674	343,339	69,405	148,930
Business Council	847,500	0	847,500	0	847,500	0
Corrections, Department of	123,280	123,280	0	0	0	0
Enhanced Oil Recovery Institute	1,500,000	1,000,000	500,000	150,000	350,000	0
Game and Fish Department	1,689,237	1,476,267	212,970	157,467	55,503	0
State Geological Survey	184,676	184,676	0	0	0	0
Transportation, Department of	1,240,805	91,273	1,149,532	9,118	1,140,414	0
Water Development Office	243,888	0	243,888	243,888	0	0

^a Intramural performers include a department's or agency's own employees who perform R&D and services performed by others in support of an internal R&D project.

^b Extramural performers are those outside the department or agency who perform R&D.

^c Companies and individuals include individuals under contract for research projects.

^d Other includes federal government; nonprofit organizations; city, county, regional, or other local governments; and other state governments.

^e U.S. total reflects all 50 states and the District of Columbia.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2020.